

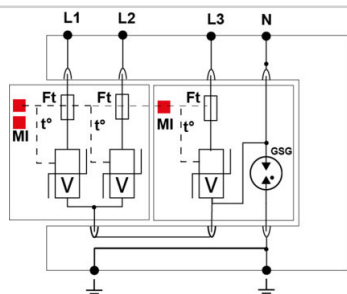
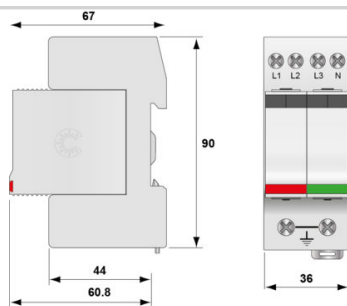


CITEL

DS440-230/G



- Compact 3-Phase Type 2 surge protector
- In : 20 kA
- Imax : 40 kA
- Common/Differential mode
- Pluggable module
- Remote Signaling contact option
- EN 61643-11, IEC 61643-11, UL1449 ed.4 compliance



V: High-energy varistor  
GSG: Specific Gas Tube  
Ft: Thermal fuse  
t°: Thermal disconnection system  
MI: Disconnection indicator

**Electrical Characteristics**

|                                                                                                            |            |                              |
|------------------------------------------------------------------------------------------------------------|------------|------------------------------|
| SPD type (following IEC tests)                                                                             |            | 2                            |
| Network                                                                                                    |            | 230/400 V 3-phase            |
| AC system                                                                                                  |            | TT-TN                        |
| Max. AC operating voltage                                                                                  | Uc         | 255 Vac                      |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. (Without disconnection)                              | UT         | 335 Vac withstand            |
| Temporary Over Voltage (TOV) Characteristics - 120 mn (Without disconnection or with safety disconnection) | UT         | 440 Vac disconnection        |
| Temporary Over Voltage N/PE (TOV HT) (Without disconnection or with safety disconnection)                  | UT         | 1200 V/300A/200 ms withstand |
| Residual Current (Leakage current to Ground)                                                               | Ipe        | None                         |
| Follow current                                                                                             | If         | None                         |
| Nominal discharge current (15 x 8/20 µs impulses)                                                          | In         | 20 kA                        |
| Max. discharge current (max. withstand @ 8/20 µs by pole)                                                  | Imax       | 40 kA                        |
| Total Maximum discharge current (max. total withstand @ 8/20 µs)                                           | Imax Total | 40 kA                        |
| Connection mode(s)                                                                                         |            | L/N and N/PE                 |
| Protection mode(s)                                                                                         |            | Common/Differential mode     |
| Residual voltage at 5 kA (@ 5 kA (8/20µs))                                                                 | Up-5kA     | 1.5/0.9 kV                   |
| Protection level L/N (@ In (8/20µs))                                                                       | Up L/N     | 1.25 kV                      |
| Admissible short-circuit current                                                                           | Iscrr      | 10 000 A                     |

**Mechanical Characteristics**

|                                   |    |                                                                               |
|-----------------------------------|----|-------------------------------------------------------------------------------|
| Technology                        |    | MOV                                                                           |
| SPD configuration                 |    | 3-phase+Neutral                                                               |
| Connection to Network             |    | by screw terminals: 1.5-10mm <sup>2</sup> (L/N) or 2.5-25mm <sup>2</sup> (PE) |
| Format                            |    | Plug-in modular box                                                           |
| Mounting                          |    | Symmetrical rail 35 mm (EN 60715)                                             |
| Housing material                  |    | Thermoplastic UL94 V-0                                                        |
| Operating temperature             | Tu | -40/+85°C                                                                     |
| Protection rating                 |    | IP20                                                                          |
| Failsafe mode                     |    | Disconnection                                                                 |
| Disconnection indicator           |    | 3 mechanical indicators                                                       |
| Spare module(s)                   |    | DSM440-230G and DSM440-230/GPE                                                |
| Remote signaling of disconnection |    | Option DS440S-230/G : output on changeover contact                            |
| Dimensions                        |    | See diagram                                                                   |
| Weight                            |    | 0.214 kg                                                                      |

**Disconnectors**

|                                   |  |                                         |
|-----------------------------------|--|-----------------------------------------|
| Thermal disconnector              |  | Internal                                |
| Installation ground fault breaker |  | Type 'S' or delayed                     |
| Fuses                             |  | 50 A mini. - 125 A max. - Fuses Type gG |

**Standards**

|                      |  |                                          |
|----------------------|--|------------------------------------------|
| Standards compliance |  | IEC 61643-11 / EN 61643-11 / UL1449 ed.4 |
| Certification        |  | EAC                                      |

**Part number**

311722



## DS440-230/G